

Exercicis:

Calculeu les següents integrals:

1. $\int \frac{x^2}{\sqrt{1-x^3}} dx$

2. $\int \frac{e^{\arctan x}}{1+x^2} dx$

3. $\int \frac{5 \cdot \ln x}{x} dx$

4. $\int \cos(1+3e^x) \cdot e^x dx$

5. $\int \frac{1-2e^x}{e^x} dx$

6. $\int \sin^2 x \cdot \cos^3 x dx$

7. $\int (x+1) \cdot e^{-x} dx$

8. $\int \frac{2x-3}{x^3+5x^2+6x} dx$

[10 punts]